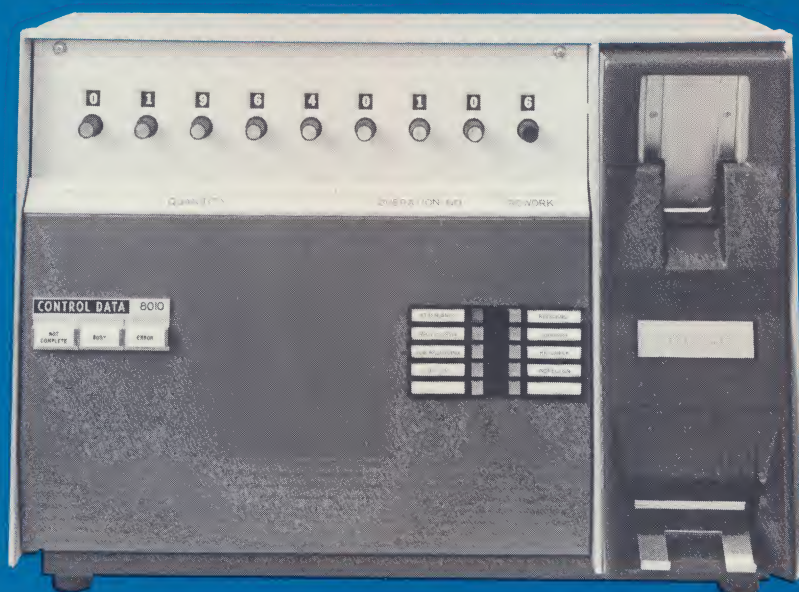
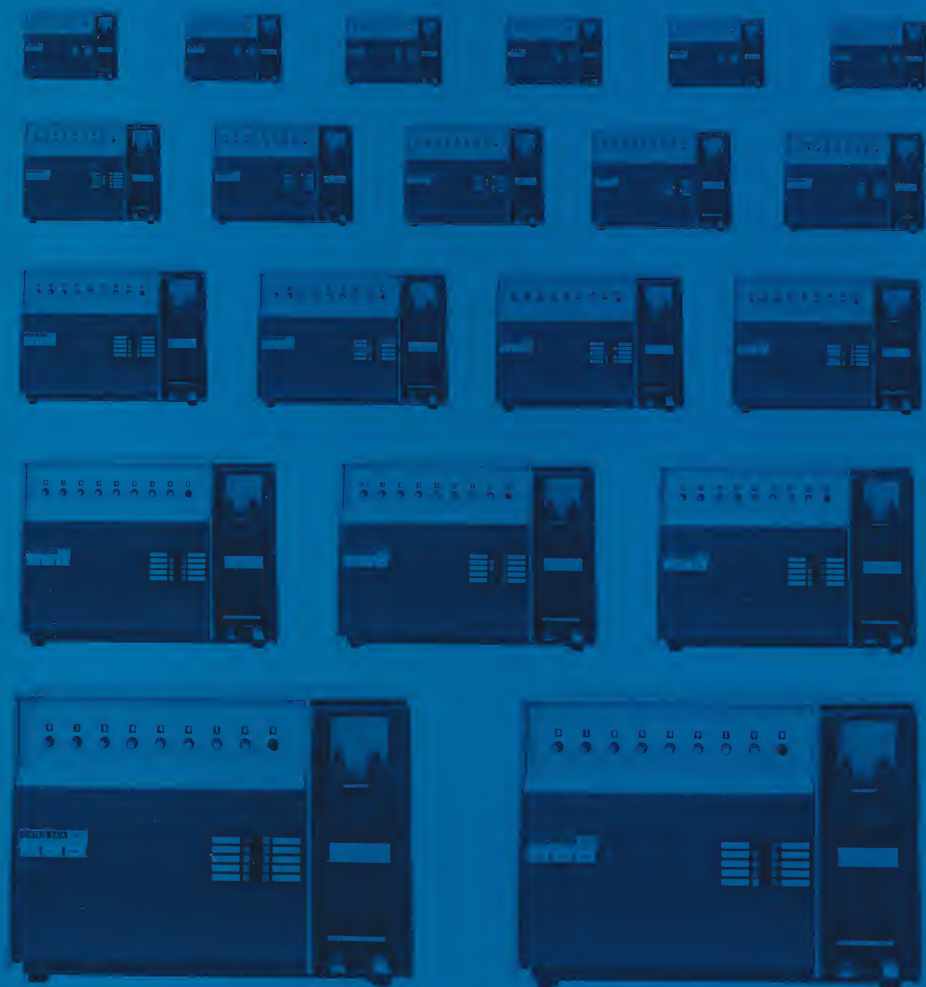




CONTROL DATA® 8010 DATA COLLECTION SYSTEM

CONTROL DATA 8010 DATA COLLECTION SYSTEM

INTRODUCTION

The up-to-the minute management information executives want is now available with the **Control Data** 8010 Data Collection System. The 8010 System makes possible rapid analysis and reporting of such operating factors as:

Scheduling	Inventory
Job Cost	Labor Efficiency
Production Status	Attendance

The 8010 Data Collection System achieves these results by:

Reducing the time between completing an activity and reporting it to management.

Collecting information from many stations simultaneously.

Consolidating information for direct input into a total Management Information System.

Data collected by the **Control Data** 8010 System may be fed on-line directly into a computer or may be recorded on magnetic tape for future processing. Selected messages can be printed out at remote locations as required.

SYSTEM HIGHLIGHTS

SPEED:

Many Data Collectors send data simultaneously—eliminating employee waiting time as a practical consideration.

EASE OF OPERATION:

Employee operations are minimized with pushbutton program-selectors, variable data dials, transmit bar and an error reset.

ECONOMY:

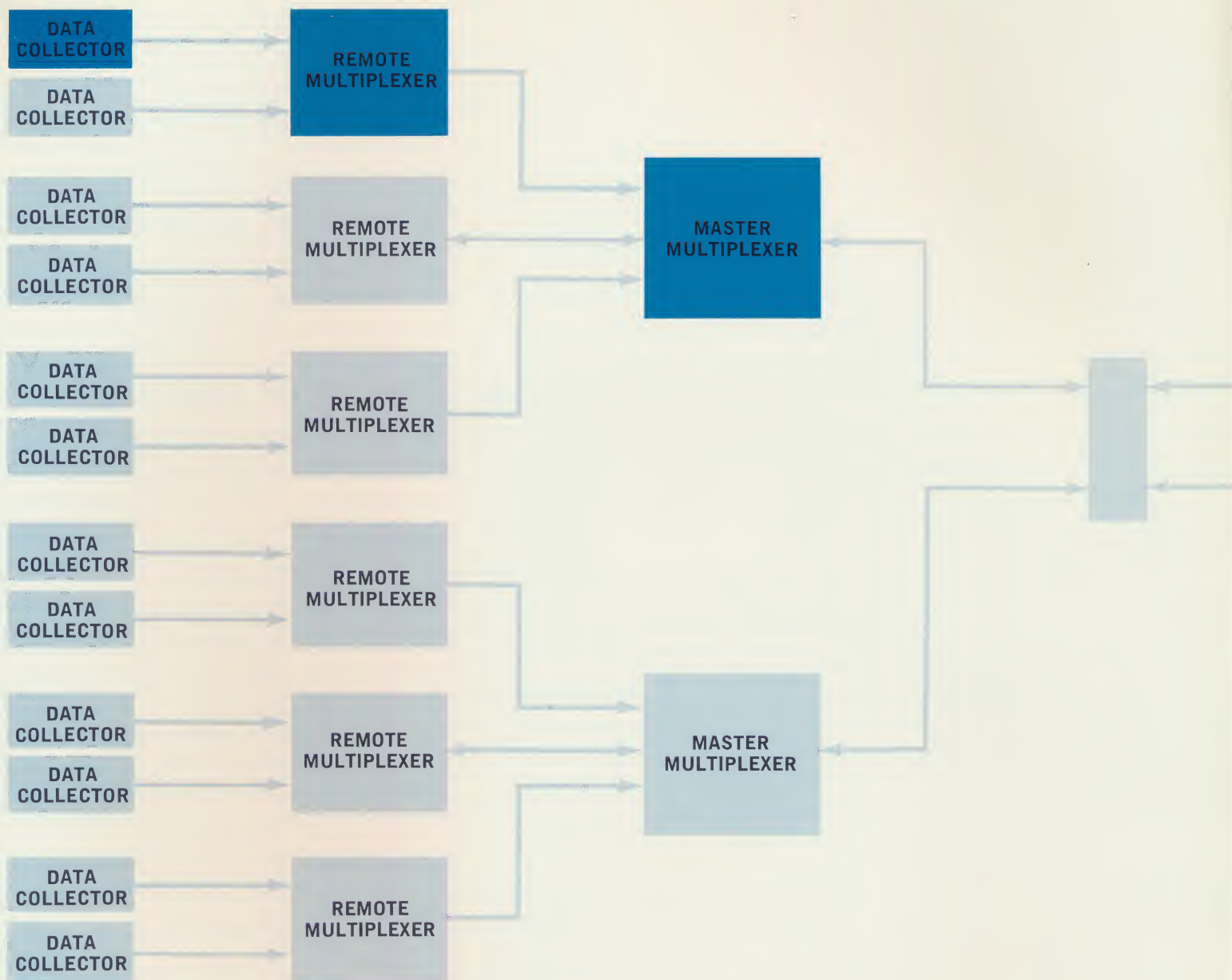
Low cost per station is achieved through high-speed central equipment, using proven, solid-state circuitry and flexible stored program logic.

ADAPTABILITY:

This 8010 System is capable of being integrated into an on-line, total Management Information System, giving all levels of management accurate and timely reports.

EXPANDABILITY:

The system will meet your needs today, and can be easily expanded as your reporting requirements increase.



SYSTEM OPERATION

In operation, all **Control Data** Data Collectors may be on-line at all times. Employees enter variable information—such as number of pieces produced, number of items received, or deviation code by manually setting dials on the front panel of the Data Collector. Fixed information—such as employee identification, job number, material identification, or process performed—is all contained on pre-punched cards. When a card is inserted and a TRANSMIT bar is pressed, the variable and fixed data are immediately introduced into the system.

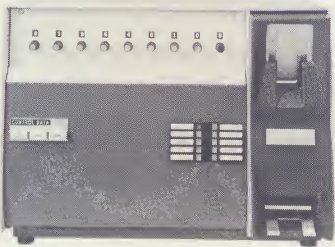
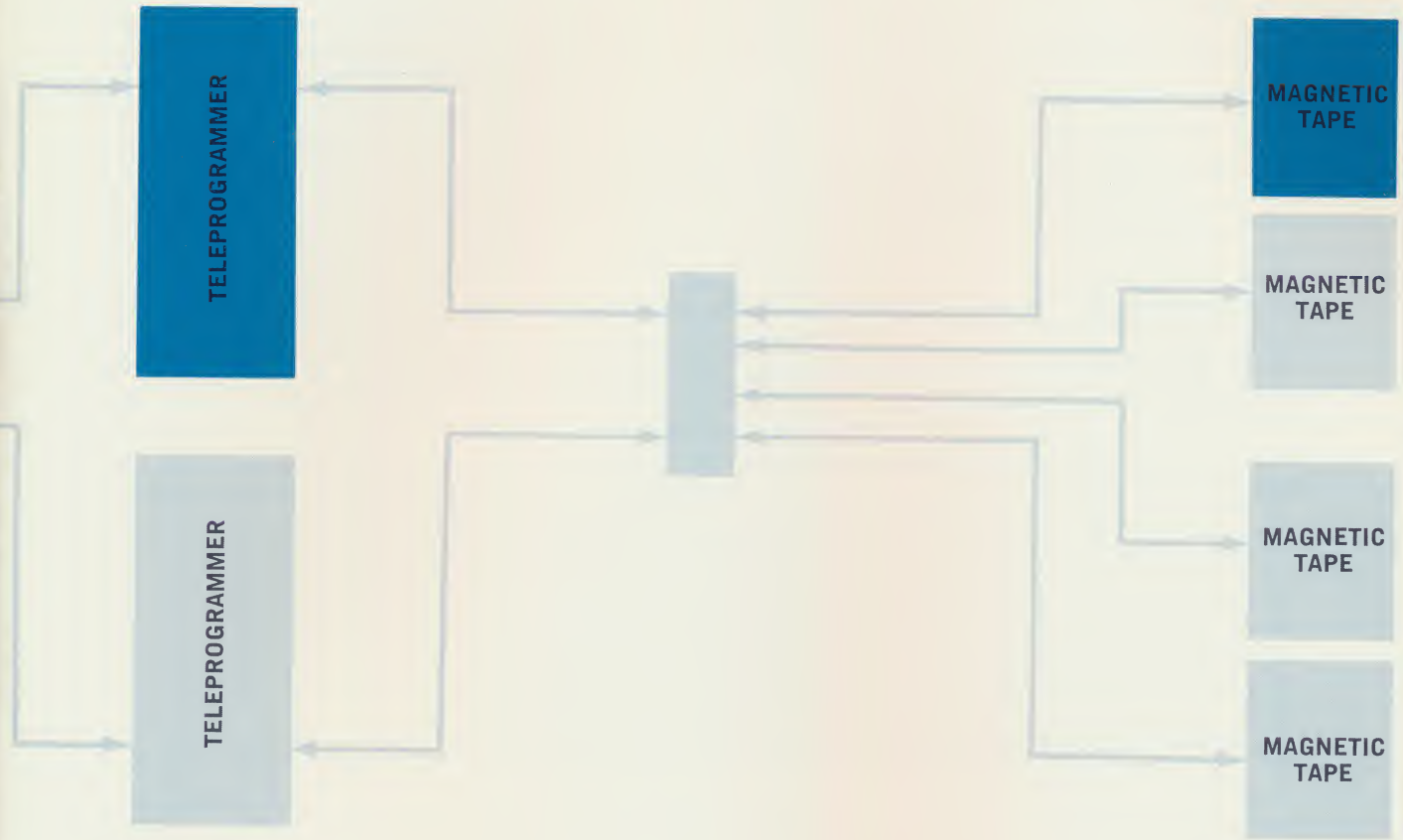
Data being received from various Collectors are routed through multiplexers to a central unit called a TeleProgrammer. The speed of the multiplexing units and the TeleProgrammer allows data to be assembled into a message

on a character-by-character basis from many Data Collectors simultaneously, thus avoiding employee waiting time.

The TeleProgrammer controls the entire system. It assembles the characters being received into complete messages, error-checks the data, adds time of day, and records the data on magnetic tape or enters it directly into a Control Data Computer System for on-line processing. Magnetic tape provides a high-speed, compatible, reusable medium for storing messages for off-line processing.

Flexibility is provided to the user with the stored-program logic of the 8092 TeleProgrammer. Programs may be modified to suit individual requirements without requiring equipment changes.

Backed-Up **Control Data** 8010 Data Collection System



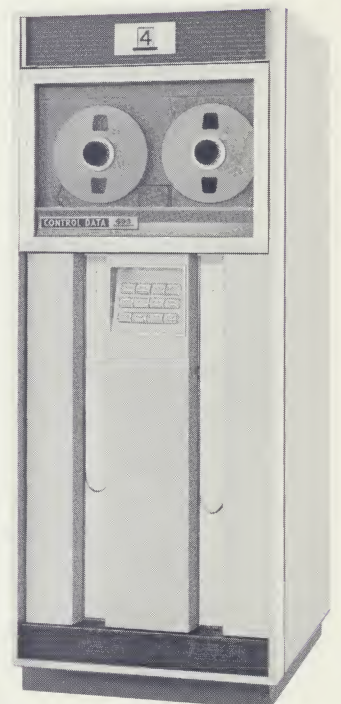
CONTROL DATA
Data Collector



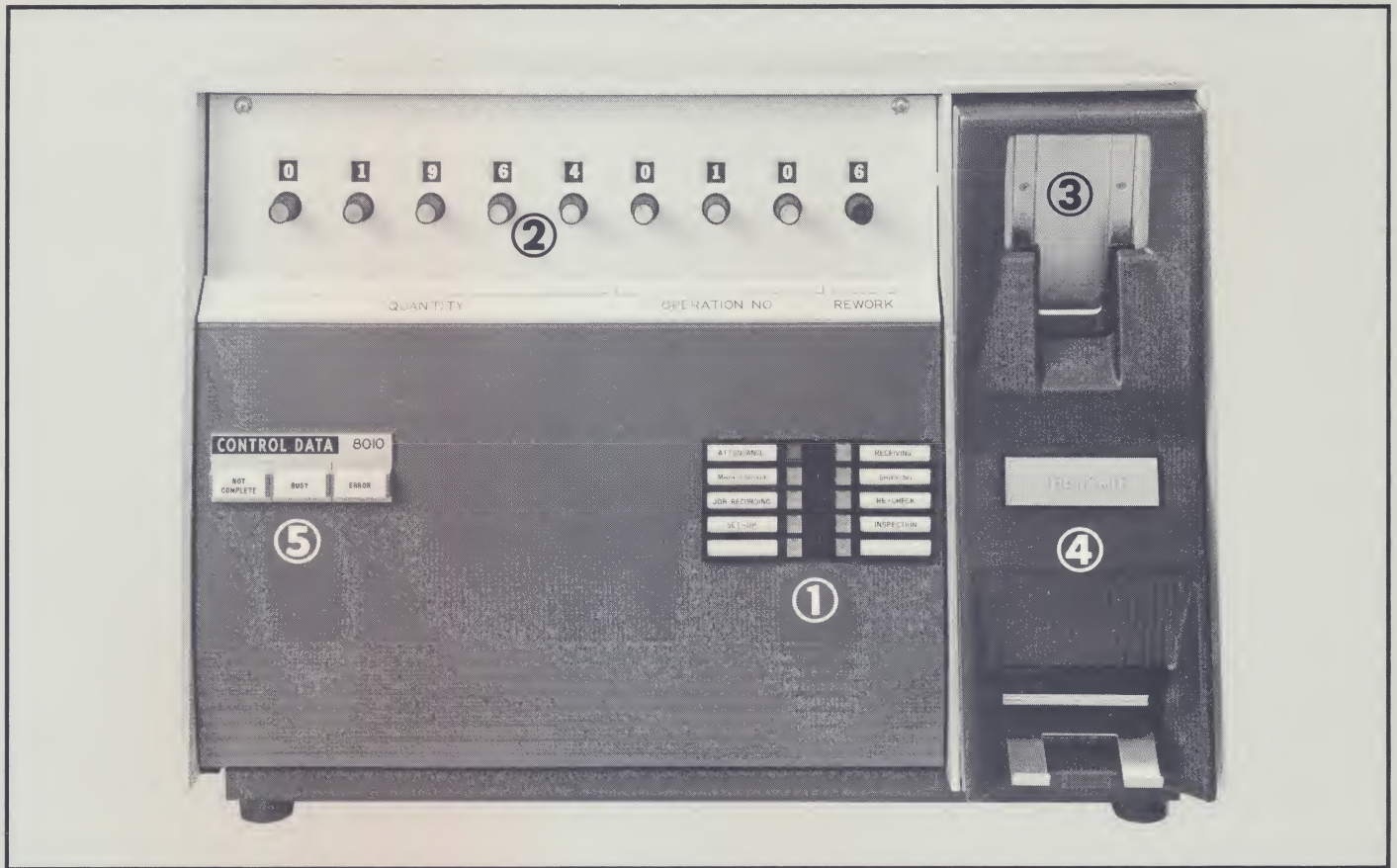
CONTROL DATA
Multiplexer



CONTROL DATA
TeleProgrammer



CONTROL DATA
Magnetic Tape Transport



COLLECTOR OPERATION

1. Operator selects appropriate program. For example: ATTENDANCE, PIECES PRODUCED/RECEIVED/REJECTED, LABOR TIME, PERT, etc.
2. Dials in associated variable data. The dials automatically reset to zero after transmission.
3. Inserts punched card, i.e., JOB IDENTIFICATION, MAN IDENTIFICATION, PROJECT NUMBER, SHOP OPERATION, INDIRECT ACCOUNT, etc.
4. Presses TRANSMIT bar and data is transmitted.
5. Should the system detect message or transmission errors, an ERROR button lights. Employee merely presses button to clear the Collector and sends his message again. During transmission, a NOT COMPLETE light is energized and remains on until the transaction is complete. During multi-card transmissions, it remains on until all cards have been transmitted.

If the central control unit is momentarily busy elsewhere, a BUSY signal will flicker on for a moment, until the particular Collector can be serviced.

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